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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/833,740

DATE: 11/01/2001
TIME: 14:16:05

Input Set : A:\16777463.app
Output Set: N:\CRF3\11012001\I833740.raw

ENTERED

3 <110> APPLICANT: DRUCKER, DANIEL J.
4 LOVSHIN, JULIE
6 <120> TITLE OF INVENTION: GLP-2 RECEPTOR GENE PROMOTER AND USES THEREOF
8 <130> FILE REFERENCE: 016777/0463
10 <140> CURRENT APPLICATION NUMBER: 09/833,740
11 <141> CURRENT FILING DATE: 2001-04-13
13 <150> PRIOR APPLICATION NUMBER: 60/196,909
14 <151> PRIOR FILING DATE: 2000-04-13
16 <150> PRIOR APPLICATION NUMBER: 60/265,310
17 <151> PRIOR FILING DATE: 2001-02-01
19 <160> NUMBER OF SEQ ID NOS: 18
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 2170
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: Recombinant
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35 ttcaagaagc aagatggaaat atttgtacaa aacaggtgct ttctccccca ccatgcgacc 180
36 cgggagctcc actgatatgg acagaatagc tttacagcta cattcaaaac acacacacac 240
37 acacacacac acacacacac acacacacac acacacacat gttttcttcc ctccctccac 300
38 ttcccccatt tctctgttgtt cccaaagaga tgaccatatt gactgttagaa atcacaccac 360
39 cataaaagcc catctgggag ccatttccag actgatcttt ttatcattaa ggtttgaatt 420
40 ctgccacgt gtgggtttta aggttttttag ggatttttat cttagcggcac tcacctgctt 480
41 ccctgtgaat gttcagaatt cactggcctt ggtcagctaa tggaaatgtat ctatggttt 540
42 acttaaatgt gaaaggaaaa aaaagaagggg ggaaaaggag ggagggagaa agaggggaag 600
43 gaaaaactgc cttttatgcc tattgtact ctaacatttt gtctctcacc ttccacttgg 660
44 ttcttcaatg gaaagactgg atagaaagct gggagccagc cagggatagg aggagtgtgt 720
45 gtgtgtgtgg ggggggggtgg gcagcaagca gacgcattttt gacagagaag agcctgctag 780
46 agaycatgag ctttcttgc gacccttagt gctaacagga atagttccca accaggtgc 840
47 tgtggtcacg tgactcggct ggaagsccctg gctttgtctt tttgcttgcgt gtgcagccct 900
48 gaacaaacac cctggcctct ttgaacccca ctatttctca gccctcagat gaagaagtaa 960
49 tggtaacctt gaggatactg atgggttcaa gtgaactagg gcagagggttgg gaagggtttt 1020
50 taaccataaa ctgaagtggg gtgttggta gtaagtagcc atgaataccca taaaaatatc 1080
51 tgtcagggtgg ccagagcatc actgtgttca gaacacaacg gcccactcag aacacgcgga 1140
52 caattgaaag gcaccaacact ccgtgttcc taccgttgcgt tttgttaccg tgttaacgc 1200
53 actcaactct cggcactgaa caggcttttgc ctgcagaccc ggggtcttgg ggtgttgcgt 1260
54 ctgagacagg aaaactcatc ttgttactat ggcatacgatgtaaccacggta gctctgagat 1320
55 agccctgagc tggtggcggtt tagaaaaggat tgatgtttta gaaagaaatc gtggctaaa 1380
56 agaaggctac ctggcatggg gccccatccct ctccagccat ccgaatctca atctggcgt 1440
57 gtgcgttaaga atagaatccct cggaaatggta accatgtctt gctttttctt ctgggcttgc 1500
58 ttaggaagtc ccaggcagcg tagacgtctt ggggttaggt ctggaaaaaa tctcccaaga 1560
59 ttttaggagg ggcaggcggg ggatgagaaa cttggagatt cggtagatcg ctgttagagca 1620

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60 actcagacag tcggcgccct gaagaggact tgtcaaaca cttccctctt ggacaaggag 1680
 61 gaatgcagga gcccacccgc tgcagtacat cttggagtgt tggagggatg tgcctgcact 1740
 62 tgtgaaaggg cgccagaagg acgaggcccc aaccaagccc ggcagtgcgg agtagatgca 1800
 63 gagagcgtcc ctgccccggg cgccacagtwg ggctccctgc ggcccagggg cctgagtctc 1860
 64 tccackccca cgggatgcgt cggctctggg gcccctggac gccccttc tccctgcttc 1920
 65 tgcgggttt catcaagcaa gtaagaacag attttatttc ctcattcgtc ttgttaatat 1980
 66 tatcagttgt gcatgtttc tgagtgtaga agcaatttag gcccctgtga ggcaatttg 2040
 67 gtaagaataa aaccatatta agaaaatgag gctcaaccac aaccccaagta gcattctgct 2100
 68 cactgttcat atttggctg atttttaaaa aaattctctt ttctgtgcat tattttacac 2160
 69 agccgaaatt 2170

72 <210> SEQ ID NO: 2
 73 <211> LENGTH: 341
 74 <212> TYPE: DNA
 75 <213> ORGANISM: Mus sp.
 77 <400> SEQUENCE: 2
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 79 gtgttggagg gatgtgcctg cacttgtaa agggcgccag aaggacgagg ccccaaccaa 120
 80 gcccggcagt gcccagttaga tgcagagagc gtccctgccc cggggcgcaca gtwgggctcc 180
 81 ctggggccca ggggcctgag tctctccack cccacggat gcgtcggctc tggggccctg 240
 82 ggacgcccctt cctctccctg cttctgtgg tttccatcaa gcaagtaaga acagatttt 300
 83 attcctcatt cgtcttgtt atattatcag ttgtgcatgt t 341

86 <210> SEQ ID NO: 3
 87 <211> LENGTH: 350
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Rattus sp.
 91 <400> SEQUENCE: 3
 92 aacacttcct ctctggacaa ggaggagatgc aggaggccac cgcctgcagt acatcttgg 60
 93 gtgttggagg gatgtgcctg cacttgtaa cggggcgccag gagaatgagg ccccaaccaa 120
 94 gcccggcagt gcccagttaga tgcagagagg caccgtgcc ccgagtgagg gcacagccag 180
 95 tgggcattccc tgaggcccag gggccctgc tctccactc ccaacagatg cgtctgtgt 240
 96 gggggccctgg gaggcccttc ctgcctgtc ttctgtgtt ttccatcaa caagttacag 300
 97 gatcgctcct caaggagaca actcagaagt gcgctaatta taaggagaag 350

101 <210> SEQ ID NO: 4
 102 <211> LENGTH: 230
 103 <212> TYPE: DNA
 104 <213> ORGANISM: Rattus sp.
 106 <220> FEATURE:
 107 <221> NAME/KEY: CDS
 108 <222> LOCATION: (105)..(230)
 110 <400> SEQUENCE: 4
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 113 gtgttggagg gatgtgcctg cacttgtaa cggggcgccag gaga atg agg ccc caa 116
 114 Met Arg Pro Gln
 115 1
 117 cca agc ccg gca gtg ccc agt aga tgc aga gag gca ccc gtg ccc cga 164
 118 Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala Pro Val Pro Arg
 119 5 10 15 20
 121 gtg agg gca cag cca gtg ggc atc cct gag gcc cag ggg ccc gtt cct 212
 122 Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln Gly Pro Val Pro

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123	25	30	35	
125	ctc cac tcc caa cag atg			230
126	Leu His Ser Gln Gln Met			
127	40			
130	<210> SEQ ID NO: 5			
131	<211> LENGTH: 42			
132	<212> TYPE: PRT			
133	<213> ORGANISM: Rattus sp.			
135	<400> SEQUENCE: 5			
136	Met Arg Pro Gln Pro Ser Pro Ala Val Pro Ser Arg Cys Arg Glu Ala			
137	1 5 10 15			
139	Pro Val Pro Arg Val Arg Ala Gln Pro Val Gly Ile Pro Glu Ala Gln			
140	20 25 30			
142	Gly Pro Val Pro Leu His Ser Gln Gln Met			
143	35 40			
146	<210> SEQ ID NO: 6			
147	<211> LENGTH: 493			
148	<212> TYPE: DNA			
149	<213> ORGANISM: Mus sp.			
151	<220> FEATURE:			
152	<221> NAME/KEY: CDS			
153	<222> LOCATION: (401)..(466)			
155	<400> SEQUENCE: 6			
156	atgtcttgc ttttcttcgg ggttgctga ggaagtccca ggcagcgtag acgtcttggg 60			
158	ggtaggtctg gaaaaaatct cccaagattt aggaggggca ggccggggat gagaaacttg 120			
160	gagattcgtt agatcgctgt agagcaactc agacagtcgg cggcctgaag aggacttgc 180			
162	caaacacttc ctctctggac aaggaggaat gcaggaggcc accgcctgca gtacatcttgc 240			
164	gagtgttgcg gggatgtgcc tgcacttgcg aaaggggcgcc agaaggacga ggccccaaacc 300			
166	aagccggca gtgcccagta gatgcagaga gcgtccctgc cccggggcga cagtwwggct 360			
168	ccctgcggcc cagggcctg agtctctcca ckcccacggg atg cgt cgg ctc tgg 415			
169	Met Arg Arg Leu Trp			
170	1 5			
172	ggc cct ggg acg ccc ttc ctc tcc ctg ctt ctg gtt tcc atc aag 463			
173	Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu Val Ser Ile Lys			
174	10 15 20			
176	caa gtaagaacag atttttatttc ctcatcc 493			
177	Gln			
180	<210> SEQ ID NO: 7			
181	<211> LENGTH: 527			
182	<212> TYPE: DNA			
183	<213> ORGANISM: Homo sapiens			
185	<400> SEQUENCE: 7			
186	ccgccttgtt ctgttcctc agcctgtcaa ggaagtccca gaaagcacag ctgacttagg 60			
187	gaagggtctgg gaaaaatctc cctgcttttggggggcagg ggccggggat gagccagggc 120			
188	cgagaaggaa ctctgaagac tccgttagatt gctctagacc gcctcagaca ctctcgccgc 180			
189	agcgtggaga ggatttgcg aaacatttcc tctgtggacc aagaggaatg caagaggagg 240			
190	ctgcctgcgg tgcatcttgg acggctagag agatgtaccc ctacttgcg aggtgcacga 300			
191	ggaagatgaa gctggatcg agcaggccag ggccctggag aggaagcgcg ggactcctgc 360			
192	ctggcgatcc cgagctgccc atggcattcc ctgcggccctg ggggaccagt cctctctcc 420			

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193 tccacaggaa gtgctctctc tggggcccctg ggaggccctt cctcaactctg gtcctgtctgg 480
194 tttccatcaa gcaagtaaga gcagttcatt attattatta ttatcag 527
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 293
199 <212> TYPE: DNA
200 <213> ORGANISM: Rattus sp.
202 <400> SEQUENCE: 8
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204 gtgttggagg gatgtgcctg cacttgtaa cggcgccag gagaatgagg ccccaaccaa 120
205 gccccggcagt gcccagttaga tgcagagagg caccctgtcc ccgagtgagg gcacagccag 180
206 tggggcatccc tgaggcccaag gggcccgttc ctctccactc ccaacagatg cgtctgtctgt 240
207 gggggccctgg gaggcccttc ctgcggctgc ttctgtctgg ttccatcaag caa 293
210 <210> SEQ ID NO: 9
211 <211> LENGTH: 22
212 <212> TYPE: PRT
213 <213> ORGANISM: Mus sp.
215 <400> SEQUENCE: 9
216 Met Arg Arg Leu Trp Gly Pro Gly Thr Pro Phe Leu Ser Leu Leu Leu
217 1 5 10 15
219 Leu Val Ser Ile Lys Gln
220 20
223 <210> SEQ ID NO: 10
224 <211> LENGTH: 21
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
231 <400> SEQUENCE: 10 21
232 ttgtgaacgg ggcgcaggag a
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 24
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
243 <400> SEQUENCE: 11 24
244 gatctcaactc tcttccagaa tctc
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 21
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
255 <400> SEQUENCE: 12 21
256 ctgctgggtt ccatcaagca a
259 <210> SEQ ID NO: 13
260 <211> LENGTH: 21
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence

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265 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
267 <400> SEQUENCE: 13
268 tagatctcac tctttccag a 21
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273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
279 <400> SEQUENCE: 14 21
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283 <210> SEQ ID NO: 15
284 <211> LENGTH: 22
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
291 <400> SEQUENCE: 15 22
292 gaccacagtc catgacatca ct
295 <210> SEQ ID NO: 16
296 <211> LENGTH: 21
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
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308 <211> LENGTH: 21
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
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313 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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320 <211> LENGTH: 21
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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VERIFICATION SUMMARY

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